

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows.

1. (Canceled)
2. (Currently Amended) A network printer controller comprising:
communication control means for receiving packet data from host computers via a
network, storing the received packet data in a first memory, extracting print job
data on the basis of the received packet data, and storing the print job data in a
second memory;
language control means for generating image data on the basis of said print job data;
print control means for controlling a print engine;
execution means for exclusively executing either said communication control means, said
language control means, or said print control means according to priorities
assigned to each of these means;
alteration means for altering, on the basis of specific events, the relative priority sequence
based on the priority between said communication control means and said
language control means; The network printer controller according to claim 1,
further comprising:
~~a first memory for storing the packet data received by said communication control means;~~
and
first monitoring means for generating said specific events on the basis of the amount of
packet data stored in said first memory.
3. (Previously Presented) The network printer controller according to claim 2, wherein said
alteration means raises the priority of said language control means higher than the priority of
said communication control means when said first monitoring means decides that the amount
of packet data stored in said first memory is below a specific value.
4. (Previously Presented) The network printer controller according to claim 2, wherein said
alteration means raises the priority of said communication control means higher than the
priority of said language control means when said first monitoring means decides that the
amount of packet data stored in said first memory is over a specific value.

5. (Previously Presented) A network printer controller comprising:
 - communication control means for receiving packet data from host computers via a network and extracting print job data on the basis of the received packet data;
 - language control means for generating image data on the basis of said print job data;
 - print control means for controlling a print engine;
 - execution means for exclusively executing either said communication control means, said language control means, or said print control means according to priorities assigned to each of these means;
 - alteration means for altering, on the basis of specific events, the relative priority sequence based on the priority between said communication control means and said language control means;
 - a second memory for storing the print job data extracted by said communication control means; and
 - second monitoring means for determining the amount of print job data stored in said second memory and generating specific events on the basis of the results of this determination.
6. (Previously Presented) The network printer controller according to claim 5, wherein said alteration means raises the priority of said communication control means higher than the priority of said language control means when said second monitoring means decides that the amount of print job data stored in said second memory is below a specific value.
7. (Previously Presented) The network printer controller according to claim 5, where said alteration means raises the priority of said language control means higher than the priority of said communication control means when said second monitoring means decides that the amount of print job data stored in said second memory is over a specific value.
8. (Currently Amended) A task control method for controlling the execution of a plurality of tasks, comprising the steps of:
 - receiving packet data from a network and generating a communication task for storing the received packet data in a first memory, extracting print job data on the basis of the received packet data, and storing the print job data in a second memory, a language task for generating image data on the basis of said print job data, and a printing task for controlling a print engine;

exclusively executing either said communication task, language task, or printing task according to priorities assigned to each of these tasks; and
altering, on the basis of specific events, the relative priority sequence based on the priority between said communication control means and said language control means; and
generating said specific events on the basis of the amount of packet data stored.

9. (Currently Amended) A program product in which is recorded a program to be executed by the processor of a network printer, comprising:

a communication module for receiving packet data from host computers via a network,
storing the received packet data in a first memory, extracting print job data on the basis of the received packet data, and storing the print job data in a second memory;
a language module for generating image data on the basis of said print job data;
a print module for controlling a print engine;
an execution module for exclusively executing either said communication module, said language module, or said print module according to priorities assigned to each of these modules; and
an alteration module for altering, on the basis of specific events, the relative priority sequence based on the priority between said communication module and said language module; and
first monitoring means for generating said specific events on the basis of the amount of packet data stored in said first memory.

10. (Currently Amended) A network printer comprising:

a controller;
a print engine for printing on a print recording medium; and
a communication interface connected to a network such that communication with host computers is possible;
said controller comprising:
communication control means for receiving packet data from host computers via a network, storing the received packet data in a first memory, extracting

print job data on the basis of the received packet data, and storing the print job data in a second memory;
language control means for generating image data on the basis of said print job data;
print control means for controlling a print engine;
execution means for exclusively executing either said communication control means, said language control means, or said print control means according to priorities assigned to each of these means; and
alteration means for altering, on the basis of specific events, the relative priority sequence based on the priority between said communication control means and said language control means; and
first monitoring means for generating said specific events on the basis of the amount of packet data stored in said first memory.

11. (Currently Amended) A network printer controller comprising:

communication control means for receiving packet data from host computers via a network, storing the received packet data in a first memory, and extracting print job data on the basis of the received packet data, and storing the print job data in a second memory;
language control means for generating image data on the basis of said print job data;
print control means for controlling a print engine;
execution means for exclusively executing either said communication control means, said language control means, or said print control means; and
alteration means for altering, on the basis of specific events, the relative time proportions between the execution time in which said execution means is to execute said communication control means and the execution time in which said execution means is to execute said language control means.

12. (Currently Amended) The network printer controller according to claim 11, further comprising:

~~a first memory for storing the packet data received by said communication control means;~~
and

- first monitoring means for generating said specific events on the basis of the amount of packet data stored in said first memory.
13. (Previously Presented) The network printer controller according to claim 12, wherein said alteration means raises the priority of said language control means higher than the priority of said communication control means when said first monitoring means decides that the amount of packet data stored in said first memory is below a specific value.
14. (Previously Presented) The network printer controller according to claim 12, wherein said alteration means raises the priority of said communication control means higher than the priority of said language control means when said first monitoring means decides that the amount of packet data stored in said first memory is over a specific value.
15. (Previously Presented) A printer controller comprising:
- communication control means for receiving packet data from host computers via a network and extracting print job data on the basis of the received packet data;
- language control means for generating image data on the basis of said print job data;
- print control means for controlling a print engine;
- execution means for exclusively executing either said communication control means, said language control means, or said print control means; and
- alteration means for altering, on the basis of specific events, the relative time proportions between the execution time in which said execution means is to execute said communication control means and the execution time in which said execution means is to execute said language control means;
- a second memory for storing the print job data extracted by said communication control means; and
- second monitoring means for determining the amount of print job data stored in said second memory and generating specific events on the basis of the results of this determination.
16. (Previously Presented) The network printer controller according to claim 15, wherein said alteration means raises the priority of said communication control means higher than the priority of said language control means when said second monitoring means decides that the amount of print job data stored in said second memory is below a specific value.

17. (Previously Presented) The network printer controller according to claim 15, wherein said alteration means raises the priority of said language control means higher than the priority of said communication control means when said second monitoring means decides that the amount of print job data stored in said second memory is over a specific value.

18. (Currently Amended) A task control method for controlling the execution of a plurality of tasks, comprising the steps of:

receiving packet data from host computers via a network and generating a communication task for storing the received packet data in a first memory, extracting print job data on the basis of the received packet data, and storing the print job data in a second memory, a language task for generating image data on the basis of said print job data, and a printing task for controlling a print engine; exclusively executing either said communication task, language task, or printing task; and altering, on the basis of specific events, the relative time ratio between the execution time in which said execution means is to execute said communication control means and the execution time in which said execution means is to execute said language control means.

19. (Currently Amended) A program product in which is recorded a program to be executed by the processor of a printer, comprising:

a communication module for receiving packet data from host computers via a network, storing the received packet data in a first memory, and extracting print job data on the basis of the received packet data, and storing the print job data in a second memory;

a language module for generating image data on the basis of said print job data;
a print module for controlling a print engine;
an execution module for exclusively executing either said communication module, said language module, or said print module; and

an alteration module for altering, on the basis of specific events, the relative time ratio between the execution time in which said execution module is to execute said communication control module and the execution time in which said execution module is to execute said language control module.

20. (Currently Amended) A network printer comprising:

a controller;
a print engine for printing on a print recording medium; and
a communication interface connected to a network such that communication with host computers is possible;
said controller comprising:
communication control means for receiving packet data from host computers via a network, storing the received packet data in a first memory, and extracting print job data on the basis of the received packet data, and storing the print job data in a second memory;
language control means for generating image data on the basis of said print job data;
print control means for controlling a print engine;
execution means for exclusively executing either said communication control means, said language control means, or said print control means; and
alteration means for altering, on the basis of specific events, the relative time ratio between the execution time in which said execution means is to execute said communication control means and the execution time in which said execution means is to execute said language control means.

21. – 24. (Canceled)